

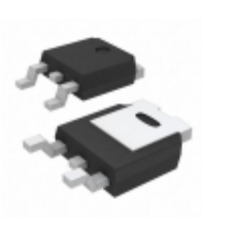





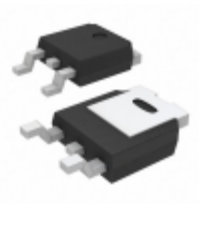

 life.augmented	<h2>STD47N10F7AG</h2>
	<p><b>Manufacturer Part Number:</b> <a href="#">STD47N10F7AG</a></p> <p><b>Manufacturer/Brand:</b> <a href="#">STMicroelectronics</a></p> <p><b>Part of Description:</b> MOSFET N-CH 100V 45A</p> <p><b>Datasheets:</b>  <a href="#">STD47N10F7AG.pdf</a></p> <p><b>RoHs Status:</b>  Lead free / RoHS Compliant</p> <p><b>Stock Condition:</b> New original, 16240 pcs Stock Available.</p> <p><b>Ship From:</b> Hong Kong</p> <p><b>Shipment Way:</b> DHL/Fedex/TNT/UPS/EMS</p>
<p>Image may be representation. See specs for product details.</p>	

### Specifications

Part Number	<a href="#">STD47N10F7AG</a>
Manufacturer	<a href="#">STMicroelectronics</a>
Description	MOSFET N-CH 100V 45A
Category	<a href="#">Discrete Semiconductor Products &gt; Transistors - FETs,</a>
Part Status	16240 pcs Stock
Series	Automotive, AEC-Q101, STripFET™ F7
Technology	MOSFET (Metal Oxide)
Operating Temperature	-55°C ~ 175°C (TJ)
Mounting Type	Surface Mount
Package / Case	TO-252-3, DPAK (2 Leads + Tab), SC-63
Supplier Device Package	DPAK
Power Dissipation (Max)	60W (Tc)
FET Type	N-Channel
FET Feature	-
Drain to Source Voltage (Vdss)	100V
Current - Continuous Drain (Id) @ 25°C	45A (Tc)
Rds On (Max) @ Id, Vgs	18 mOhm @ 22.5A, 10V
Vgs(th) (Max) @ Id	4.5V @ 250µA
Gate Charge (Qg) (Max) @ Vgs	25nC @ 10V
Input Capacitance (Ciss) (Max) @ Vds	1640pF @ 50V
Drive Voltage (Max Rds On, Min Rds On)	10V
Vgs (Max)	±10V
Packaging	Tape & Reel (TR)



















































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 STD40NF3LL	 STD40NF3LLT4	 STD40P3LLH6	 STD40P8F6AG	 STD44N4LF6
 STD4525NL	 STD4530NLS	 STD45N10F7	 STD45NE75	 STD45NF03L
 STD45NF75	 STD45NF75T4	 STD45P4LLF6AG	 STD46N6F7	 STD46P4LLF6
 STD49GK08	 STD49GK08B	 STD49GK12	 STD49GK12B	 STD49GK14
 STD49GK14B	 STD49GK16	 STD49GK16B	 STD49GK18	 STD49GK18B
 STD4N20-1	 STD4N52K3	 STD4N62K3	 STD4N80K5	 STD4NB40T4
 STD4NK50-1	 STD4NK50Z	 STD4NK50Z-1	 STD4NK50ZD	 STD4NK50ZT4
 STD4NK50ZT4G	 STD4NK60Z	 STD4NK60Z-1	 STD4NK60ZT4	 STD4NK80ZT4

Contact us:[Info@Y-IC.com](mailto:Info@Y-IC.com)

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